WHAT IS CLAIMED IS:

- 1. A method for routing a plurality of data packets in a network, comprising: receiving a data packet of the plurality having a destination; determining a route for the data packet based on the destination; determining a lifetime for the data packet based on the route; setting a time-to-live value for the data packet based on the lifetime; and forwarding the data packet along the route.
- The method according to claim 1, further comprising: detecting an event affecting the route; and modifying the time-to-live value based on the event.
- 3. The method according to claim 1, wherein determining the lifetime comprises:
- 4. The method according to claim 1, wherein forwarding the data packet comprises:
 - encapsulating the data packet in a wireless packet format; and setting the time-to-live value in a field of the wireless packet format.

incorporating an error factor based on the route for the data packet.

5. A method of routing a plurality of data packets in a network, comprising:

receiving a data packet of the plurality having a destination;

determining a route for the data packet based on the destination;

determining a first time-to-live value set for the data packet;

modifying the first time-to-live value to form a second time-to-live value.

forwarding the data packet along the route based on the second time-to-live value.

6. The method according to claim 5, wherein forwarding the data packet comprises:

forwarding the data packet toward the destination, when the second timeto-live value is greater than 0.

7. The method according to claim 5, wherein forwarding the data packet comprises:

discarding the data packet, when the second time-to-live value is 0.

- 8. A data packet processing node comprising:

 an input to receive a data packet having a destination;

 a route processor to determine at least one route for the data packet based on the destination;
- a lifetime processor to set a lifetime for the data packet based on the at least one route; and an output to forward the data packet along the route.
- 9. The network node according to claim 8, wherein the lifetime processor further comprises:
 an event detector to detect an event affecting the at least one route.
- 10. The network node according to claim 8, wherein the lifetime processor further comprises an error factor processor to determine an error factor to associated with the route.
- 11. The network node according to claim 8, wherein the output to forward the data packet further comprises a wireless interface to encapsulate the data packet in a wireless packet format.

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- 12. The network node according to claim 11, wherein the wireless interface sets, in a field of the wireless packet format, the time-to-live value based on the lifetime for the data packet.
- 13. An apparatus comprising: means for receiving a data packet having a destination; means for determining a route for the data packet based on the destination;

means for determining a lifetime for the data packet based on the route;
means for setting a time-to-live value for the data packet based on the
lifetime; and
means for forwarding the data packet along the route.

14. A computer readable medium capable of configuring a device to perform a method for managing data packets in a network, the method comprising:

receiving a data packet having a destination;

determining a route for the data packet based on the destination;

determining a lifetime for the data packet based on the route;

setting a time-to-live value for the data packet based on the lifetime; and

forwarding the data packet along the route.

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15. A data packet with a time-to-live set based on lifetime for a determined route comprising:

a field identifying a destination; and

a time-to-live field set based on a determined likely route the data packet will travel to reach the destination.

- 16. The data packet according to claim 15, wherein the time-to-live field further comprises an error factor associated with the likely route.
- 17. The data packet according to claim 15, wherein the data packet is encapsulated in a wireless packet format.
- 18. The data packet according to claim 15, wherein the time-to-live field is set based upon a time associated with the determined likely route the data packet will travel.
- 19. The data packet according to claim 15, wherein the time-to-live field is set based upon a hop count associated with the determined likely route the data packet will travel.

20. A data packet with an adjustable time-to-live traveling within a network comprising:

a field to identify a destination for the data packet; and

a time-to-live field, adjusted within the network based upon a condition of

a determined likely route the data packet will travel to reach the destination, to indicate
a lifetime for the data packet.

21. The data packet according to claim 20, wherein the network is a wireless ad-hoc network.

22. A network for forwarding a data packet from a source to a destination based on a lifetime for the data packet along a route, said network comprising: a first node including:

means for receiving, from said source, a data packet having a

5 destination;

means for determining a route for the data packet based on the

destination;

means for determining a lifetime for the data packet based on the

route;

means for setting a time-to-live value for the data packet based on

the lifetime;

means for forwarding the data packet to a second node along the

route; and

a second node including

means for receiving, from the first node, the data packet;

means for determining the time-to-live value set for the data packet;

means for modifying the time-to-live value to form a modified time-

to-live value;

means for forwarding the data packet based on the modified time-

20 to-live value.

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23. The network according to claim 22, wherein:
the first node and the second node are ad-hoc routers.

- 24. The network according to claim 22, wherein the means for forwarding of the second node forwards the data packet towards the destination along the route, when the modified time-to-live value is greater than 0.
- 25. The network according to claim 22, wherein the means for forwarding of the second node discards the data packet, when the modified time-to-live value is 0.